

# Abstract

A process for trimming out a part of an image in a rectangular shape and transferring the trimming image is performed at higher speed than before. When a rectangular area is trimmed from image data stored in a memory 32, a DMA controlling circuit 40 sets information that represents the start address from which data are transferred and a read width to a DMA device 30. The DMA device 30 reads data for one column in the horizontal direction of the trimming image from the memory 32. The read data are supplied to a processing circuit 41 through a bus 31. Thereafter, the DMA controlling circuit 40 sets the start address of the next one column in the horizontal direction of the trimming image to the DMA device 30. The DMA device 30 reads image data for one column from the memory 32. After all columns in the vertical direction are read, the process is completed. Since image data are read for each column from the flash memory 32, image data of the rectangular area are transferred without need to read image data of an unnecessary area.